
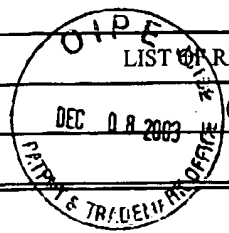



U.S. Department of Commerce, Patent and Trademark Office					Docket No.: AM-6265.D1			
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; border-radius: 50%; text-align: center; font-size: 24px; line-height: 1;"> O I P E DEC 08 2003 PATENT & TRADEMARK OFFICE </div> </div>					Serial No.: 10/646,014			
					Applicant: Peijun DING et al.			
					Filing Date: August 22, 2003			
(Use several sheets if necessary)					Group: Unknown 1753			
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
SHV	AA	4,871,433	10/03/89	Wagner et al.	204	192.12		
SHV	AB	5,133,825	07/28/92	Hakamata et al.	156	345		
SHV	AC	5,178,739	01/12/93	Barnes et al.	204	192.12		
SHV	AD	5,482,611	01/09/96	Helmer et al.	204	298.17		
SHV	AE	5,593,551	01/14/97	Lai	204	192.12		
SHV	AF	5,733,405	03/31/98	Taki et al.	156	345		
SHV	AG	5,907,220	05/25/99	Tepman et al.	315	111.41		
SHV	AH	6,014,943	01/18/00	Arami et al.	118	723 E		
SHV	AI	6,077,403	06/20/00	Kobayashi et al.	204	192.12		
SHV	AJ	6,159,351	12/12/00	J'Afer et al.	204	298.19		
SHV	AK	6,163,006	12/19/00	Doughty et al.	219	121.43		
FOREIGN PATENT DOCUMENTS (Translation)								
		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR							
	AS							
	AT							
Examiner 		Date Considered May 6 2004						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

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U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
SHV	AA	6,179,973	01/30/01	Lai et al.	204	192.12		
SHV	AB	6,193,854	02/27/01	Lai et al.	204	192.12		
SHV	AC	6,290,825	09/18/01	Fu	204	298.2		
SHV	AD	6,352,629	03/05/02	Wang	204	298.2		
SHV	AE	6,413,383	07/02/02	Chiang et al.	204	192.13		
SHV	AF	6,423,192	07/23/02	Wada et al.	204	192.12		
SHV	AG	US/2003/0089601	05/15/03	Ding et al.	204	298.2	11/14/01	
FOREIGN PATENT DOCUMENTS (Translation)								
		Document Number	Date	Country	Class	Subclass	Yes	No
SHV	AH	0 653 776	5/17/95	Europe	H01J	37/34	X	
SHV	AI	EP 1 091 016	4/11/01	Europe	G23C	14/35	X	
SHV	AJ	EP 1 119 017	7/25/01	Europe	H01J	37/34	X	
SHV	AK	EP 1 174 902	01/23/02	Europe	H01J	37/34	X	
SHV	AL	WO 00/05745	02/03/00	PCT	H01J	37/34	X	
SHV	AM	WO 02/11176	02/07/02	PCT	H01J	37/34	X	
SHV	AN	WO 02/37528	05/10/02	PCT	H01J	37/34	X	
SHV	AO	10204614	08/04/98	Japan	G23C	14/00	Abstract	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
SHV	AR	Ashtiani et al., "A new hollow-cathode magnetron source for 0.10µm copper applications", 0-7803-6327-2, 2000, pp. 37-39						
	AS							
	AT							
Examiner								
		Date Considered May 6, 2004						
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